If you purchased a kit containing the PS24 Power Supply Module, you may use this module to convert one or both VISTA-128FBP/VISTA-250FBP 12VDC, 1.7A style-Y supervised Special Application Notification Appliance Circuits to 24VFW, 1.7A style-Y supervised Special Application Notification Appliance Circuits.

**UL**

- Burglary Notification Appliance Circuits must be programmed for a timeout of 16 minutes or longer.
- Commercial fire alarm systems require Notification Appliance Circuits to be supervised.

**Notification Appliance Circuit Supervision**

The VISTA-128FBP/VISTA-250FBP monitors the Notification Appliance Circuits wiring for open and short circuit faults while the output is inactive. The system provides a trouble indication (Zone 970 Bell 1; 971 Bell 2) when an open occurs. When a short occurs between the Bell (+) and Bell (-) terminal wiring, or between the Bell (+) terminal wiring and earth ground the system provides a trouble indication (972 Earth Ground).

The VISTA-128FBP/VISTA-250FBP indicates the trouble condition regardless of whether the system is armed or disarmed. The zone displays on the keypads, reports to the event log, and transmits to the central station (if programmed) on Partition 1. The trouble is cleared from the display by entering the user code + OFF.

**UL**

- Use only UL Listed sounding devices for UL installations.
- In Commercial Fire installations, the 4204CF cannot be used to drive sounders in the same audible area as sounders connected to the alarm outputs of the control panel.

**Synchronization Requirements for Commercial Fire**

Notification Appliance Circuit outputs must be wired to a Sync Module if more than one device is used. Follow instructions provided with Sync Module. Be sure to use the compatible Sync Module for the Alarm Indicating Device selected.

| MANUFACTURER | SYNC MODULE MODEL NUMBER |
|---|---|
| GENTEX | AVSM |
| SYSTEM SENSOR | MDL |
| WHEELOCK | DSM |

**UL**

- All visual notification appliances within the same physical area must be synchronized.
- The bell outputs are listed as Special Application Notification Appliance Circuits.

**Compatible Alarm Indicating Devices**

| ALARM INDICATING DEVICE TYPE | MANUFACTURER | MODEL # |
|---|---|---|
| RX7 UL Indoor Sounder, 12V | ADT | 875936B |
| Horn Strobe 2w | GENTEX | GEC3-12, GES3-12, GEH-12 |
| Horn Strobe 2w | GENTEX | GEC3-12, GES3-12, GEH-12 |
| Horn Strobe 4w | GENTEX | GEC3-12, GES3-12, GEH-12 |
| Horn Strobe 4w | GENTEX | GEC3-12, GES3-12, GEH-12 |
| Chime, 12/24V, Selectable Tone & Volume, Red | SYSTEM SENSOR | CHR |
| Chime, 12/24V, Selectable Tone & Volume, White | SYSTEM SENSOR | CHW |
| Chime/Strobe, 12/24V, Selectable Candela, Tone & Volume, Red | SYSTEM SENSOR | CHSR |
| Chime/Strobe, 12/24V, Selectable Candela, Tone & Volume, White | SYSTEM SENSOR | CHSW |
| Horn, 12/24V, Red | SYSTEM SENSOR | HR |
| Horn, 12/24V, White | SYSTEM SENSOR | HW |
| Horn, 12/24V, Outdoor, Red | SYSTEM SENSOR | HRK |
| 2-Wire Wall Mount Horn/Strobe, 12/24V, Standard Candela, Red | SYSTEM SENSOR | P2R |
| 2-Wire Wall Mount Horn/Strobe, 12/24V, High Candela, Red | SYSTEM SENSOR | P2RH |
| 2-Wire Wall Mount Horn/Strobe, 12/24V, Standard Candela, Red, Outdoor | SYSTEM SENSOR | P2RK |
| 2-Wire Wall Mount Horn/Strobe, 12/24V, High Candela, Red, Outdoor | SYSTEM SENSOR | P2RHK |
| 2-Wire Wall Mount Horn/Strobe, 12/24V, Standard Candela, White | SYSTEM SENSOR | P2W |
| 2-Wire Wall Mount Horn/Strobe, 12/24V, High Candela, White | SYSTEM SENSOR | P2WH |
| 4-Wire Wall Mount Horn/Strobe, 12/24V, Standard Candela, Red | SYSTEM SENSOR | P4R |
| 4-Wire Wall Mount Horn/Strobe, 12/24V, High Candela, Red | SYSTEM SENSOR | P4RH |

| ALARM INDICATING DEVICE TYPE | MANUFACTURER | MODEL # |
|---|---|---|
| 4-Wire Wall Mount Horn/Strobe, 12/24V, Standard Candela, Red, Outdoor | SYSTEM SENSOR | P4RK |
| 4-Wire Wall Mount Horn/Strobe, 12/24V, High Candela, Red, Outdoor | SYSTEM SENSOR | P4RHK |
| 4-Wire Wall Mount Horn/Strobe, 12/24V, Standard Candela, White | SYSTEM SENSOR | P4W |
| 4-Wire Wall Mount Horn/Strobe, 12/24V, High Candela, White | SYSTEM SENSOR | P4WH |
| 2-Wire Ceiling Mount Horn/Strobe, 12/24V, Standard Candela, Red | SYSTEM SENSOR | PC2R |
| 2-Wire Ceiling Mount Horn/Strobe, 12/24V, High Candela, Red | SYSTEM SENSOR | PC2RH |
| 2-Wire Ceiling Mount Horn/Strobe, 12/24V, Standard Candela, Red, Outdoor | SYSTEM SENSOR | PC2RK |
| 2-Wire Ceiling Mount Horn/Strobe, 12/24V, High Candela, Red, Outdoor | SYSTEM SENSOR | PC2RHK |
| 2-Wire Ceiling Mount Horn/Strobe, 12/24V, Standard Candela, White | SYSTEM SENSOR | PC2W |
| 2-Wire Ceiling Mount Horn/Strobe, 12/24V, High Candela, Red | SYSTEM SENSOR | PC2WH |
| 4-Wire Ceiling Mount Horn/Strobe, 12/24V, Standard Candela, Red | SYSTEM SENSOR | PC4R |
| 4-Wire Ceiling Mount Horn/Strobe, 12/24V, High Candela, Red | SYSTEM SENSOR | PC4RH |
| 4-Wire Ceiling Mount Horn/Strobe, 12/24V, Standard Candela, Red, Outdoor | SYSTEM SENSOR | PC4RK |
| 4-Wire Ceiling Mount Horn/Strobe, 12/24V, High Candela, Red, Outdoor | SYSTEM SENSOR | PC4RHK |
| 4-Wire Ceiling Mount Horn/Strobe, 12/24V, Standard Candela, White | SYSTEM SENSOR | PC4W |
| 4-Wire Ceiling Mount Horn/Strobe, 12/24V, High Candela, White | SYSTEM SENSOR | PC4WH |
| 2-Wire Wall Mount Strobe, 12/24V, Standard Candela, Red | SYSTEM SENSOR | SR |
| 2-Wire Wall Mount Strobe, 12/24V, High Candela, Red | SYSTEM SENSOR | SRH |
| Wall Mount Strobe, 12/24V, Standard Candela, Red, Outdoor | SYSTEM SENSOR | SRK |
| Wall Mount Strobe, 12/24V, High Candela, Red, Outdoor | SYSTEM SENSOR | SRHK |
| Wall Mount Strobe, 12/24V, Standard Candela, White | SYSTEM SENSOR | SW |
| Wall Mount Strobe, 12/24V, High Candela, White | SYSTEM SENSOR | SWH |
| Ceiling Mount Strobe, 12/24V, Standard Candela, Red | SYSTEM SENSOR | SCR |
| Ceiling Mount Strobe, 12/24V, High Candela, Red | SYSTEM SENSOR | SCRH |
| Ceiling Mount Strobe, 12/24V, Standard Candela, Red, Outdoor | SYSTEM SENSOR | SCRK |
| Ceiling Mount Strobe, 12/24V, High Candela, Red, Outdoor | SYSTEM SENSOR | SCRHK |
| Ceiling Mount Strobe, 12/24V, Standard Candela, White | SYSTEM SENSOR | SCW |
| Ceiling Mount Strobe, 12/24V, High Candela, White | SYSTEM SENSOR | SCWH |
| Ceiling Mount Evacuation Speaker, Dual Voltage, 7” Round, White | SYSTEM SENSOR | SP200W |
| Wall Mount Evacuation Speaker, Dual Voltage, 5” Square, Red | SYSTEM SENSOR | SP201R |
| Wall Mount Evacuation Speaker, Dual Voltage, 5” Square, White | SYSTEM SENSOR | SP201W |
| Ceiling Mount Speaker/Strobe, 24V, 15 Candela, White | SYSTEM SENSOR | SP2C2415 |
| Ceiling Mount Speaker/Strobe, 24V, 15/75 Candela, White | SYSTEM SENSOR | SP2C241575 |
| Ceiling Mount Speaker/Strobe, 24V, 30 Candela, White | SYSTEM SENSOR | SP2C2430 |
| Ceiling Mount Speaker/Strobe, 24V, 75 Candela, White | SYSTEM SENSOR | SP2C2475 |
| Ceiling Mount Speaker/Strobe, 24V, 95 Candela, White | SYSTEM SENSOR | SP2C2495 |
| Ceiling Mount Speaker/Strobe, 24V, 115 Candela, White | SYSTEM SENSOR | SP2C2411 |
| Ceiling Mount Speaker/Strobe, 24V, 177 Candela, White | SYSTEM SENSOR | SP2C24177 |
| Wall Mount Speaker/Strobe, 12/24V, Selectable Candela, Red | SYSTEM SENSOR | SP2R1224M |
| Horn Strobe 12V, 4W | WHEELOCK | MT-121575W |
| Horn Strobe 12V, 2W | WHEELOCK | AS-121575W |
| Strobe 12V | WHEELOCK | RSS-121575W |
| Horn Strobe 12V, 2W | WHEELOCK | NS-121575W |
| Horn 12V/24V | WHEELOCK | NH-12/24 |
| Horn 12V | WHEELOCK | AH-12 |
| Horn 12V/24V | WHEELOCK | MT-12/24, MT4-12/24 |
| Bell 12V | WHEELOCK | MB-G6-12, MB-G10-12 |

**Table 3-1: BELL 1 AND BELL 2 MAXIMUM DEVICE RATING**

**NOTE:** To use this table, the device Candela Setting and Horn Setting MUST match what is listed in the Table.

| Mfg | Alarm Indicating Device Type | Model | Candela Setting | Horn Setting | Max # of Devices |
|---|---|---|---|---|---|
| Gentex | Horn Strobe 12V, 2w | GEC3-12,GES3-12,GEH-12 | 15 | Mech-Temporal | 6 |
| Gentex | Horn Strobe 12V, 2w | GEC3-12,GES3-12,GEH-12 | 75 | Mech-Temporal | 2 |
| Gentex | Horn Strobe 12V, 4w | GEC3-12,GES3-12,GEH-12 | 15 | Continuous Mech | 6 |
| Gentex | Horn Strobe 12V, 4w | GEC3-12,GES3-12,GEH-12 | 75 | Continuous Mech | 2 |
| System Sensor | Horn, Strobe12/24V | HR | - | - | 38 |
| System Sensor | Horn, Strobe12/24V | HW | - | - | 38 |
| System Sensor | Horn, Strobe12/24V | HRK | - | - | 38 |
| System Sensor | Horn, Strobe12/24V | P2R | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | P2RH | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | P2RK | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | P2RHK | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | P2W | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | P2WH | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | P4R | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | P4RH | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | P4RK | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | P4RHK | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | P4W | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | P4WH | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | PC2R | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | PC2RH | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | PC2RK | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | PC2RHK | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | PC2W | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | PC2WH | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | PC4R | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | PC4RH | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | PC4RK | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | PC4RHK | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | PC4W | 15 | Temporal - High | 10 |
| System Sensor | Horn, Strobe12/24V | PC4WH | 15 | Temporal - High | 10 |
| System Sensor | Strobe12/24V | SR | 15 | Temporal - High | 10 |
| System Sensor | Strobe12/24V | SRH | 15 | Temporal - High | 10 |
| System Sensor | Strobe12/24V | SRK | 15 | Temporal - High | 10 |
| System Sensor | Strobe12/24V | SRHK | 15 | Temporal - High | 10 |
| System Sensor | Strobe12/24V | SW | 15 | Temporal - High | 10 |
| System Sensor | Strobe12/24V | SWH | 15 | Temporal - High | 10 |
| System Sensor | Strobe12/24V | SCR | 15 | Temporal - High | 10 |
| System Sensor | Strobe12/24V | SCRH | 15 | Temporal - High | 10 |
| System Sensor | Strobe12/24V | SCRK | 15 | Temporal - High | 10 |
| System Sensor | Strobe12/24V | SCRHK | 15 | Temporal - High | 10 |
| System Sensor | Strobe12/24V | SCW | 15 | Temporal - High | 10 |
| System Sensor | Strobe12/24V | SCWH | 15 | Temporal - High | 10 |
| System Sensor | Speaker | SP200W | - | NA | NA |
| System Sensor | Speaker | SP201R | - | NA | NA |
| System Sensor | Speaker | SP201W | - | NA | NA |
| System Sensor | Speaker/Strobe | SP2C2415 | 15 | NA | 10 |
| System Sensor | Speaker/Strobe | SP2C241575 | 15/75 | NA | 10 |
| System Sensor | Speaker/Strobe | SP2C2430 | 30 | NA | 10 |
| System Sensor | Speaker/Strobe | SP2C2475 | 75 | NA | 8 |
| System Sensor | Speaker/Strobe | SP2C2495 | 95 | NA | 6 |
| System Sensor | Speaker/Strobe | SP2C24115 | 115 | NA | 5 |
| System Sensor | Speaker/Strobe | SP2C24177 | 177 | NA | 3 |
| System Sensor | Speaker/Strobe | SP2R1224M | - | - | - |
| Wheelock | Horn Strobe 12V, 4W | MT-121575W | 15 | Continuous/Hi | 4 |
| Wheelock | Horn Strobe 12V, 2W | AS-121575W | 15 | Continuous/Hi | 6 |
| Wheelock | Strobe 12V | RSS-121575W | 15 | na | 6 |
| Wheelock | Horn Strobe 12V, 2W | NS-121575W | 15 | Hi | 7 |
| Wheelock | Horn 12V/24V | NH-12/24 | na | Hi | 80 |
| Wheelock | Horn 12V | AH-12 | na | Hi | 9 |
| Wheelock | Horn 12V/24V | MT-12/24,MT4-12/24 | na | Continuous Horn | 10 |
| Wheelock | Bell 12V | MB-G6-12,MB-G10-12 | na | na | 9 |